



LAKESIDE FLOOD SOLUTIONS

**LEADING UK SUPPLIER
OF FLOOD DEFENCES FOR
COMMERCIAL & INDUSTRIAL
PREMISES**



**COMMERCIAL
& INDUSTRIAL**





ABOUT US

Lakeside has been established for 30 years in the UK Door and Security industry, both manufacturing and installing our products nationwide. By dealing direct with ourselves, we can ensure:

30
years
of excellence
1988-2018

✓ **Quality Guarantee** - you can be assured that both the product and services you receive will be of the utmost highest standard

✓ **Price Promise** - we can ensure the most competitive rates, no third parties involved

✓ **All installations are carried out in-house** by our highly trained and experienced Lakeside Operatives, and overseen by a Supervisor with 10+ years' experience in the installation of flood defences. In this way, we know that our products will be installed correctly for you

✓ **Ongoing Maintenance** - Our in-house installation services also result in the added benefit that any future maintenance checks will also be dealt with both directly and efficiently

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**OPENING
DEFENCE**

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**DOOR
DEFENCE**

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DEFENCE**

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DEFENCE**

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DEFENCE**

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**WALL
DEFENCE**



WE DELIVER AND INSTALL NATIONWIDE



Acclaim
Accreditation



committed to
CSCS
Platinum award



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THE LEADING DEMOUNTABLE FLOOD BARRIER SYSTEM

The UK's Leading System, tested to 2.1m H with zero leakage.

The Lakeside Flood Barrier system represents the most robust form of protection available due to its exclusive ground U channel ensuring a continuous watertight seal.

The system is also extremely user-friendly; it can be easily installed within seconds in the event of a flood alert, and then easily removed and stored away when not required.



THE LAKESIDE DIFFERENCE

Unique product features, superior to any other flood barrier:

- **Robust aluminium yet lightweight;** easy to install and store away by one person
- **Extremely user-friendly; no tools required** for self-installation within seconds
- **Discreet ground U channel** and bespoke interlocking system ensures **continuous watertight seal**
- **Anodized finish,** maintenance-free
- **2 year guarantee**
- Ongoing optional **annual maintenance check,** offered direct with Lakeside
- **Tested up to 2.1m high with zero leakage** and **proven to work in real-life floods**



THE LEADING DEMOUNTABLE FLOOD BARRIER SYSTEM

Our system is extremely versatile to suit a range of openings including:

COMMERCIAL

Single doors



Double Openings



Shop fronts



Car parks



Windows



New Developments



INDUSTRIAL

Roller Shutters



Bund Walls



Fire Exit door



Pedestrian Openings



Vehicle Openings



FLOOD BARRIER ACCESSORIES

We offer a wealth of tailored accessories to ensure the most efficient and secure deployment, as well as an aesthetically-pleasing finish.



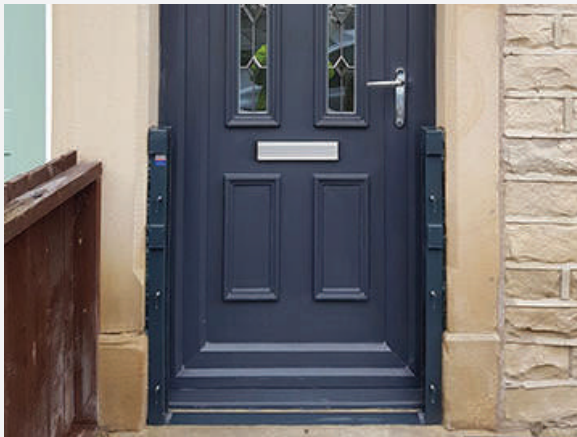
SIDE POST COVER PLATES

Covers to completely conceal the flood barrier side posts and all visible fixings. Manufactured from anodized aluminium, the covers can be powder coated to any RAL colour.



STOCK ITEMISATION

Full Stock Itemisation of all flood barriers using a simple colour coded system, to ensure simple and quick self-installation of the system when required.



POWDER COATING

Powder coating of all visible fixings - side posts and ground U channel cover plate - to ensure seamless aesthetic fit with your home.



STORAGE RACKING UNITS

Wall-mounted storage solutions, available in vertical or horizontal format.

FLOOD GATES

An effective, rapid-deployment solution.



Flood Gates are easy to maintain and can be easily operated by one person for quick deployment.

Flood gates are available with the following design and function options:

- ✓ Single or double leaf
- ✓ 90 or 180 degree opening span
- ✓ Manual or automatic operation
- ✓ Optional sliding function
- ✓ Optional lift-hinge function



THE LAKESIDE DIFFERENCE

Unique product features:

- **Robust Stainless Steel**, S.S. 304 or S. S. 316 for marine applications
- **Epoxy paint finish** (any RAL or BS colour)
- **Garnet blast Stainless Steel** for marine applications
- **Closed cell expanded neoprene profile** with solid neoprene skin as continuous seal along vertical and horizontal edges for water tight seal
- **Viton seal option** for petro chemical applications
- **Custom fabricated hinges**
- Tested with **zero leakage**



STEEL FIRE & FLOOD DOORS

An extremely robust, passive flood defence solution for single and double doors.



Steel Fire & Flood Doors ensure robust protection against both flood and fire risk. The flood doors are designed and manufactured to the highest specification with unique seal mechanisms and hardware, resulting in flood protection to full door height.

Both single and double flood doors are available, with a range of optional access and security features as required.

Steel Fire & Flood Doors are suitable for a broad range of applications including Warehouses, Store rooms, Electrical Sub Stations, and Retail Outlets.

THE LAKESIDE DIFFERENCE

Manufactured to the highest specification:

- **5mm thick Galvanised Steel**, Grade S275 or Stainless Steel Grade 316L for marine applications
- **Closed cell expanded neoprene seal** around full perimeter
- **High security multi-point locking system**, with internal emergency panic bar or lever
- **Full length stainless steel hinge profile**
- **Vapour Degrease, Immersion Zinc Phosphate and Polyester Powder Coat**, passing 500 hours salt spray test. Powder coating with desired RAL colour
- **Blast Rating Category 1**
- **Fire Rating BS EN 1634-1:2000:** successfully sustained 264 minutes of flaming
- **Safety threshold design preventing the need for a step to form the seal;** allows easy vehicular access for larger gates and trip free access for pedestrians
- **Tested with zero leakage** to 2.4m H over 4 weeks continuous testing.



FLOOD WINDOWS

A passive flood defence measure to protect windows from water ingress.



Available in either Aluminium or uPVC, our bespoke flood windows provide robust flood protection yet still provide an aesthetically-pleasing passive flood defence solution for your premises.



THE LAKESIDE DIFFERENCE

Manufactured to the highest specification:

- Slimline Frame, powder coated
- Single glazed, toughened laminate glass
- Georgian bars where required
- Fixed or outward-opening



SEWAGE DEFENCE

A range of automatic and manual measures to prevent backflow of sewage and rising water both inside and outside a property.

SUBMERSIBLE SUMP & PUMP SYSTEMS

A crucial flood defence solution for properties subject to flood water rising below ground.



The submersible pump system is installed below ground to a bespoke sump. The pump has an integrated float switch which enables it to automatically switch itself on in the event of rising water, pumping water out and away from the premises.

Unique product features:

- Automatic activation with float switch
- High output of 292 litres per minute
- Suitable for dirty water; takes solids up to 35mm
- Robust, double Stainless Steel housing

SURFACE WATER PUMPS

A quick and easy measure to pump water away at ground level.

Often referred to as “Puddle Suckers”, surface water pumps are positioned outside on the ground surface during rising water to drain water away from the premises.



Various pump options to suit your requirement:

- Automatic or manual operation
- Pump water down to as low as 1mm
- Outputs of up to 217 litres per minute
- Compact design available with built-in, adjustable float switch
- 10m power cable and 10m lay-flat discharge hose included with each pump

NON-RETURN VALVES

A simple solution to prevent backflow of sewage into a property.



Different sizes available to protect both larger and smaller waste outlets.

BRICK DEFENCE

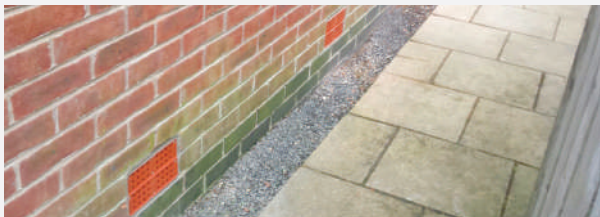
A range of automatic and manual measures to prevent water ingress through air bricks and vent openings.



ANTI-FLOOD AIR BRICKS

The Anti-flood airbrick is an 'automatic' flood protection solution.

It acts as a standard airbrick allowing unrestricted airflow underneath the premises, yet under flood conditions it uses the rising water to automatically shut off, inhibiting water ingress through the airbricks and therefore flooding underneath the premises.



Unique product features:

- Automatic device
- Permanently fitted
- Floating valves to prevent water passing back through the airbrick
- No mesh to restrict airflow which could cause damp and dry rot
- Proven to work in real floods and over 350 hours of independent tests
- Hand-made / Individually tested
- Innovative patented design
- Full back-up replacement parts available
- High performance, high tear strength seal

VENT COVERS

A rapid deployment flood defence solution for existing air vents.

The vent cover only takes a few minutes to install, and effectively offers flood protection to low lying vents.

Unique product features:

- Easy and quick to deploy
- Available in Stainless Steel or Aluminium
- Waterproof rubber ensures robust seal
- Manufactured bespoke to any size



WALL DEFENCE

A range of passive flood defence measures to prevent water seepage through walls.



WALL SEALANT

Application of a transparent sealant to prevent water seepage through walls.

Unique product features:

- 100% breathable
- Lasts up to 10 years
- Reduces thermal loss by up to 30%
- Reduced condensation & black mould
- Transparent, no surface colour impact

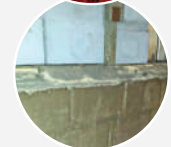
DUCT SEALING

The Lakeside Duct Sealing Kit seals existing cable ducts and entry points into a building.



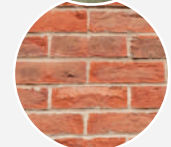
TANKING POLYMER

To mitigate water seepage, ground moisture and dampness.



RE-POINTING

Re-pointing of walls with water-resistant mortar.



RENDERING

Rendering of external walls above flood threshold level.





Lake Wardens Office on Lake Windermere

Lake District National Park. January 2018

BACKGROUND

The Lake Wardens office on Ferry Nab marina, required flood defences following Storm Desmond.

A versatile product solution was required given the high risk of flooding to the site due to its location on the banks of the Lake.



SOLUTION

Lakeside were selected by Lambert Smith Hampton, on behalf of South Lakeland District Council to install the required flood defences.

The Lakeside Barrier was installed to all 9no. openings due to its extremely quick deployment ability and its watertight nature due to the bespoke ground U channel.



Client:



In association with:



TESTIMONIAL

“Lakeside flood Solutions provided an excellent service from initial survey to completed installation and we are very pleased with the quality of the both the products and workmanship”.

PAUL SCULLION BSc (Hons) MCIQB NEBOSH

Building Surveyor - Building Consultancy

Lambert Smith Hampton



Fremlin Walk Shopping Centre

Maidstone, Kent. January 2017

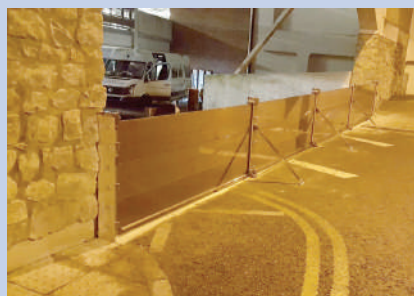
BACKGROUND

The site was flooded on 25th December 2013 as a result of the River Medway bursting its banks.

Lakeside Demountable Flood Barrier was the preferred option due to its simplicity yet proven effectiveness.

Bespoke product features:

- Bespoke steel ramps to car park openings
- Demountable system allowing adjustable height with rising floodwaters
- Lockable top pressing clamps, ensuring barriers can be locked into place once system is deployed
- Wall-mounted storage racks
- User-friendly installation:
 - Colour coded itemization of barrier profiles & limited number of tools required
- Simple compression of barrier profiles with replaceable seals



Client



Commercial real estate services & investment firm.

In association with:



Surveying Consultants



Global Consultancy firm

TESTIMONIAL

"We needed to make sure that the flood barriers met our requirements, and that the company installing them had the expertise to design and install an effective solution. We would highly recommend Lakeside as we were extremely pleased with the end result".

Lloyd Wright | Centre Manager, Fremlin Walk Shopping Centre
CBRE Management Services Ltd



Ace Sandbanks

17-21 Banks Road, Sandbanks, Poole. December 2016

BACKGROUND

David James Architects undertook the design, planning and technical design for ACE for renowned nationwide developers PegasusLife.

Due to the prestigious nature of the development and its seafront location, posing an evident threat of water ingress, David James Architects were required to specify a credible, high-quality barrier system.



Bespoke Project features:

- Vertical wall-mounted storage units
- Concealment of side posts within cladding
- Joint inter-company working both Architect and Main Contractor

Client

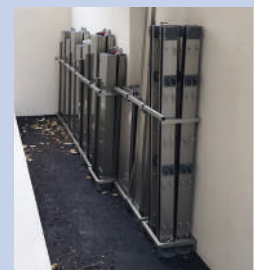


One of the South's most respected construction firms

In association with:



Dorset's premier design-led architectural practice





Industrial Flood Protection

Sowerby Bridge, Calderdale. December 2016

BACKGROUND

The industrial units on Sowerby Bridge Park suffered devastating damage with significant commercial impact during the 2015 Calderdale floods.

Lakeside were selected to install flood defences directly by affected business owners, who were most notably attracted by the Lakeside Demountable Flood Barrier System and its market-leading features.

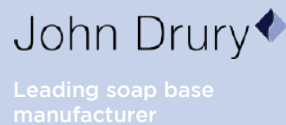


Bespoke Project features:

- 19no. Lakeside Demountable Flood Barrier Systems, 1.5m H
- 20no. Lakeside Demountable Flood Barrier Systems, 1.2m H
- 8no. Non-Return Valves to sewage outlets
- Various sewage defence works
- Lockable top pressing clamps
- Wall-mounted storage racking units



Clients:





Ford Motor Company

Dagenham, Essex. December 2016

BACKGROUND

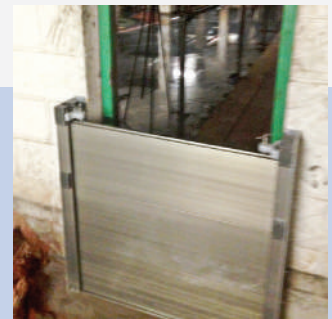
Ford experienced severe flooding to its UK engine plant, causing a significant threat to production. This was of heightened concern given the strategic importance and large capacity of the plant.

Lakeside were identified as the optimal company to offer flood protection services to the Ford plant due to their rapid installation lead time from order and ability to carry out installation works to an already flood-affected factory experiencing rising water levels.



Bespoke Project features:

- High agility and efficiency required for installation in conditions of rising flood water
- Extensive, bespoke RAMS required to receive approval for works from Ford Safety Department



Client:



Global automotive industry leader

In association with:



One of the UK's largest service contractors

TESTIMONIAL

"From the outset, I was most impressed with the planning and co-ordination Lakeside undertook in liaising with myself and my team. I would not hesitate to recommend their services".

Joe Henry, M&E Manager
Hamton Environmental Services Limited,
FMC Dagenham



National Bio Sample Centre

Oxford. October 2016

BACKGROUND

Given the highly sensitive nature of works carried out in the centre, it was essential that the client found a credible and well-established supplier with a robust product solution.

Lakeside were selected due to their established 29 years' experience and reputation, and the exclusive demountable flood barrier system offered as the optimal solution for all doorway openings.



The UK Biocentre identified the requirement for flood defences to the 6 main entrances of its centre.



Bespoke Project features:

- Bespoke 'U-Shape' Perimeter Barrier System to Front Fire Exit - composed of 2 x permanent anodized aluminium box sections and 1 x demountable flood barrier to the front, ensuring the quickest possible deployment time of the system when required
- Bespoke Flood Defence Vent Cover



Client:



A National Resource to Support biomedical and clinical research

In association with:



One of the world's leading universities



TESTIMONIAL

"I'd like to thank all the members of Lakeside staff who worked on this project. We are impressed with the design of the flood defence system and how quick and easy it is to fit and remove".

Mr Tarquin Davies
Facilities Manager-NIHR BC.
UK Biocentre



Bath Rugby Club

Bath. December 2016

BACKGROUND

Lakeside were selected by an Independent Flood Engineer and Property Services Provider to carry out the works.

Bath Rugby Club identified the requirement for flood protection to the 3 main stand entrances of the club premises.

The Lakeside Flood Barrier was selected as the preferred protection method due to its user-friendly nature and quick deployment method.



Bespoke Project features:

- Lockable top pressing clamps (locking mechanism when barrier system is in use)
- Bespoke 'L-Shape' Perimeter Barrier System to North Stand
- CAD drawings



Client



English Premiership Rugby Union Club

In association with:



A Property Services Installation Provider based in Bristol



TESTIMONIAL

"Bath Rugby was looking for a cost-effective flood protection solution for our new stand at The Rec. Great product which will no doubt do its job for many years to come".

Alex Cohen Head of Operations,
Bath Rugby



Industrial Flood Protection

Kendal Business Park, Kendal. September 2017

BACKGROUND

The industrial units in Kendal Business Park suffered devastating damage with significant commercial impact during the 2015 Cumbria floods.

Lakeside were selected to survey, manufacture and install their flood defence products to the entire business park, comprising mainly flood barriers, roller shutter openings, and associated brick and sewage defence items.

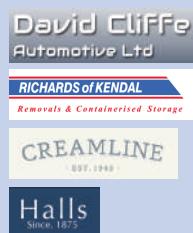


Bespoke Project features:

- Quick turnaround, including surveys conducted within one working week from enquiry
- Stakeholder management and liaison between the Consultant, Client and Tenants
- Flexible working hours required sewage defence measures



Clients:



In association with:



TESTIMONIAL

"Thank you for sorting the works so quickly, your team did an amazing job"

Stuart Tolch - Peill & Company,
Chartered Surveyors



We are proud to serve a Prestigious Client Base:



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Telephone: 01792 561117

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